INDEX TO AUTHORS.

A

Adler, I. Further studies in experimental atherosclerosis, 581

Amoss, Harold L. See TAYLOR and AMOSS, 745

Arlitt, Ada Hart, and **Wells, H. Gideon.** The effect of alcohol on the reproductive tissues, 769

Arnold, J. F. See JONES and ARNOLD, 805

Auer, John, and **Gates, Frederick L.** Experiments on the causation and amelioration of adrenalin pulmonary edema, 201

Avery, O. T. See DOCHEZ and AVERY, 477

B

de Beaujeu, A. Jaubert. Cicatrization of wounds. V. New mathematical expression of cicatrization, 81

Blake, Francis G. Methods for the determination of pneumococcus types, 67

—. Studies on antiblastic immunity, 563

Bull, Carroll G. The prophylactic and therapeutic properties of the antitoxin for *Bacillus welchii*, 603

— and **Pritchett, Ida W.** Identity of the toxins of different strains of *Bacillus welchii* and factors influencing their production *in vitro*, 867

— and —. Toxin and antitoxin of and protective inoculation against *Bacillus welchii*, 119

Burket, Walter C. Changes in the peripheral blood consequent upon the diversion of the splenic blood into the general circulation, 849

C

Carrel, Alexis, and **Hartmann, Alice.** Cicatrization of wounds. VIII. Sterilization of wounds with chloramine-T, 95

—, **du Noüy, P. Lecomte,** and **Carrel, Anne.** Cicatrization of wounds. IX. Influence on the healing of wounds of variations in the osmotic tension of the dressing, 279

Carrel, Anne. See CARREL, DU NOÜY, and CARREL, 279

Clark, Admont H. The interrelation of the surviving heart and pancreas of the dog in sugar metabolism. Second paper, 721

Cole, Rufus. The neutralization of antipneumococcus immune bodies by infected exudates and sera, 453

— and **Moore, Henry F.** The production of antipneumococcic serum, 537

Coulter, Calvin B. The biological identity of the Friedländer bacillus, 763

D

Daufresne, Maurice. Cicatrization of wounds. VII. The use of chloramine-T paste for the sterilization of wounds, 91

Davis, Benjamin F., and **Petersen, William F.** A comparative study of serum and lymph ferments after feeding, 693

— and —. A comparative study of lymph and serum ferments during protein shock reactions, 699

Davis, David M., and **Stone, Harvey B.** Studies on the development of toxicity in intestinal secretion, 687

Davison, Atala S. See DAVISON, DAVISON, and MILLER, 779

Davison, Wilburt C., Davison, Atala S., and **Miller, Milo K.** Meningitis in an infant due to a hitherto undescribed organism, *Micrococcus florens*, 779

Dochez, A. R., and **Avery, O. T.** The elaboration of specific soluble substance by pneumococcus during growth, 477

F

Faber, Harold Kniest. Studies in glomerulonephritis. I. A quantitative study of the reaction of the kidney to diphtheria toxin, 139

—. Studies in glomerulonephritis. II. A form of acute glomerulonephritis produced with diphtheria toxin and *Bacillus coli*, 153

— and **Murray, Virginia.** Studies in glomerulonephritis. III. An attempt to produce glomerulonephritis by repeated injections of bacteria, 707

G

Gates, Frederick L. A valve to regulate the delivery of air and ether vapor in any proportion, 41

—. See AUER and GATES, 201

Goto, Kingo. The relation of the spleen to blood destruction and regeneration and to hemolytic jaundice. XVI. The influence of splenectomy and of blood disintegration upon the production of bile pigment, 795

Grey, Ernest G. The diversion of the pancreatic juice from the duodenum into the stomach. Its effects upon the level of gastric acidity and upon the pancreas, 825

H

Hartmann, Alice. See CARREL and HARTMANN, 95

Hoki, Rokuro. See IDO, HOKI, ITO, and WANI, 341

I

Ido, Yutaka, Hoki, Rokuro, Ito, Hiroshi, and **Wani, Hidetsune.** The rat as a carrier of *Spirochæta icterohæmorrhagiæ*, the causative agent of Weil's disease (spirochætosis icterohæmorrhagica), 341

—, **Ito, Hiroshi, Wani, Hidetsune,** and **Okuda, Kikuzo.** Circulating immunity principles in ratbite fever, 377

Inada, Ryokichi. The clinical aspects of spirochætosis icterohæmorrhagica or Weil's disease, 355

Ito, Hiroshi. See IDO, HOKI, ITO, and WANI, 341

—. See IDO, ITO, WANI, and OKUDA, 377

J

Jones, F. S., and **Arnold, J. F.** Staggers in sheep in Patagonia, 805

K

Kaneko, Renjiro, and **Okuda, Kik-**

uzo. A contribution to the etiology and pathology of rat-bite fever, 363
— and —. The distribution in the human body of *Spirochæta icterohæmorrhagiæ*, 325
Kline, B. S. Experimental study of organization in lobar pneumonia, 239
Kritchevsky, I. L. Hemolysins of vegetable origin, 669
Kudo, Rokusaburo. See NOGUCHI and KUDO, 49

M

McLean, Franklin C. The mechanism of urea retention in nephritis, 181
MacNider, William deB. A consideration of the relative toxicity of uranium nitrate for animals of different ages. I, 1
—. The efficiency of various diuretics in the acutely nephropathic kidney, protected and unprotected by sodium carbonate. II, 19
Mann, Frank C. Pulmonary embolism. An experimental study, 387
Miller, Milo K. See DAVISON, DAVISON, and MILLER, 779
Minot, George R. See WRIGHT and MINOT, 395
Moore, Henry F. See COLE and MOORE, 537
Murray, Virginia. See FABER and MURRAY, 707

N

Nakagawa, Koan. Human pulmonary distomiasis caused by *Paragonimus westermanni*, 297
Newcomer, H. S. Bactericidal fluorescence excited by x-rays, 657
—. The abiotic action of ultraviolet light, 841
Noguchi, Hideyo, and **Kudo, Rokusaburo.** The relation of mosquitoes and flies to the epidemiology of acute poliomyelitis, 49
du Noüy, P. Lecomte. See CARREL, DU NOÜY, and CARREL, 279

O

Okuda, Kikuzo. See IDO, ITO, WANI, and OKUDA, 377
—. See KANEKO and OKUDA, 325, 363
Opie, Eugene L. The relation of apical tuberculosis of adults to the focal tuberculosis of children, 263

P

Palmer, Walter W. Acidosis and acid excretion in pneumonia, 495
Pappenheimer, Alwin M. Experimental studies upon lymphocytes. II. The action of immune sera upon lymphocytes and small thymus cells, 163
Parker, Julia T. See ZINSSER and PARKER, 411
Petersen, William F. See DAVIS and PETERSEN, 693, 699
Plotz, Harry. Cultivation of *Spirochæta obermeieri*, 37
Pritchett, Ida W. See BULL and PRITCHETT, 119, 867

R

Robertson, Oswald H. The effect of experimental plethora on blood production, 221
Rogoff, J. M. See STEWART and ROGOFF, 613, 637

S

Smillie, Wilson G. New anaerobic methods, 59

Stewart, F. Constance. A note on Petroff's cultural method for the isolation of tubercle bacilli from sputum and its application to the examination of milk, 755

Stewart, G. N., and **Rogoff, J. M.** The relation of the spinal cord to the spontaneous liberation of epinephrin from the adrenals, 613

— and —. Effect of stimulation of sensory nerves upon the rate of liberation of epinephrin from the adrenals, 637

Stillman, Ernest G. Further studies on the epidemiology of lobar pneumonia, 513

Stone, Harvey B. See DAVIS and STONE, 687

T

Taylor, Edward, and **Amoss, Harold L.** Carriage of the virus of poliomyelitis, with subsequent development of the infection, 745

TenBroeck, Carl. Increased virulence of the hog-cholera bacillus produced by passage through rabbits, 437

TenBroeck, Carl. The significance of agglutinins in the immunity of the rabbit to the hog-cholera bacillus, 441

V

Vincent, A. Cicatrization of wounds. VI. Bacteriological asepsis of a wound, 83

W

Walsh, L. S. N. The growth of the ovarian follicle of the guinea pig under normal and pathological conditions, 245

Wani, Hidetsune. See IDO, HOKI, ITO, and WANI, 341

—. See IDO, ITO, WANI, and OKUDA, 377

Wells, H. Gideon. See ARLITT and WELLS, 769

Wright, J. Homer, and **Minot, George R.** The viscous metamorphosis of the blood platelets, 395

Z

Zinsser, Hans, and **Parker, Julia T.** Studies on bacterial anaphylaxis and infection, 411

INDEX TO SUBJECTS.

A

Abiotic action:
Ultra-violet light (NEWCOMER) 841
Acid:
Excretion in pneumonia (PALMER) 495
Acidity:
Gastric, effect of diversion of pancreatic juice into stomach upon (GREY) 825
Acidosis:
Pneumonia (PALMER) 495
Adrenal:
Epinephrin, effect of stimulation of sensory nerves on rate of liberation (STEWART and ROGOFF) 637
—, relation of spinal cord to spontaneous liberation from (STEWART and ROGOFF) 613
Adrenalin:
Pulmonary edema (AUER and GATES) 201
Age:
Uranium nitrate toxicity in relation to (MACNIDER) 1
Agglutinins:
Hog-cholera bacillus (TENBROECK) 441
Air:
Valve to regulate delivery of ether vapor and (GATES) 41
Alcohol:
Reproductive tissues, effect on (ARLITT and WELLS) 769
Anaerobe:
Methods for (SMILLIE) 59
Anaphylaxis:
Bacterial (ZINSSER and PARKER) 411
Antiblastic:
Immunity (BLAKE) 563
Antipneumococcic serum:
See Serum, pneumococcic.
Antipneumococcus:
Immune bodies, neutralization by infected exudates and sera (COLE) 453
Antitoxin:
Bacillus welchii (BULL) 603
— — (BULL and PRITCHETT) 119
Asepsis:
Wound, bacteriological (VINCENT) 83
Atherosclerosis:
Experimental (ADLER) 581

B

Bacillus:
coli, glomerulonephritis produced with diphtheria toxin and (FABER) 153
Friedländer's, biological identity (COULTER) 763
Hog-cholera (TENBROECK) 437, 441
tuberculosis. *See* Tubercle bacillus.
welchii, antitoxin for (BULL) 603
—, — — (BULL and PRITCHETT) 119

Bacillus—*continued:*
welchii, identity of toxins of different strains (BULL and PRITCHETT) 867
—, protective inoculation against (BULL and PRITCHETT) 119
— toxin (BULL and PRITCHETT) 119
— —, production *in vitro* (BULL and PRITCHETT) 867
Bacteria:
Anaphylaxis, bacterial, and infection (ZINSSER and PARKER) 411
Glomerulonephritis produced by injections of (FABER and MURRAY) 707
Bactericidal:
Fluorescence excited by x-rays (NEWCOMER) 657
Bacteriology:
Asepsis, bacteriological, of wound (VINCENT) 83
Bile:
Pigment, influence of splenectomy and blood disintegration on (GOTO) 795
Biology:
Friedländer's bacillus, biological identity (COULTER) 763
Blood:
Destruction and regeneration in relation to spleen (GOTO) 795
Disintegration, influence on bile pigment (GOTO) 795
Peripheral, changes after diversion of splenic blood into general circulation (BURKET) 849
Platelets, viscous metamorphosis (WRIGHT and MINOT) 395
Production, effect of plethora on (ROBERTSON) 221
Blood—*continued:*
Splenic, diversion into general circulation (BURKET) 849
Body:
Immune antipneumococcus, neutralization by infected exudates and sera (COLE) 453

C

Carbonate:
Sodium. *See* Sodium carbonate.
Carrier:
Poliomyelitis virus (TAYLOR and AMOSS) 745
Spirochæta icterohæmorrhagiæ, rat as carrier of (IDO, HOKI, ITO, and WANI) 341
Cell:
Thymus, action of immune sera on (PAPPENHEIMER) 163
Chloramine-T paste:
Wound sterilization by (DAUFRESNE) 91
— — — (CARREL and HARTMANN) 95
Cholera:
Hog-, bacillus (TENBROECK) 437, 441
Cicatrization:
Mathematical expression of (DE BEAUJEU) 81
Osmotic tension of dressing, influence of, on wound (CARREL, DUNOÜY, and CARREL) 279
Wound (DE BEAUJEU) 81
— (VINCENT) 83
— (DAUFRESNE) 91
— (CARREL and HARTMANN) 95
— (CARREL, DUNOÜY, and CARREL) 279
Circulation:
Splenic blood diverted into general circulation (BURKET) 849

Coli:
Bacillus, glomerulonephritis produced with diphtheria toxin and (FABER) 153
Cultivation:
Spirochæta obermeieri (PLOTZ) 37
Culture:
Petroff's cultural method for isolation of tubercle bacilli from sputum applied to milk (STEWART) 755

D

Destruction:
Blood, in relation to spleen (GOTO) 795
Diphtheria:
Toxin and *Bacillus coli*, glomerulonephritis produced with (FABER) 153
—, reaction of kidney to (FABER) 139
Disease:
Weil's (KANEKO and OKUDA) 325
—, clinical aspects of (INADA) 355
—, rat as carrier of (IDO, HOKI, ITO, and WANI) 341
Disintegration:
Blood, influence on bile pigment (GOTO) 795
Distomiasis:
Pulmonary (NAKAGAWA) 297
Diuretic:
Nephropathic kidney, efficiency in, of (MACNIDER) 19
Dressing:
Osmotic tension of, influence on healing of wound (CARREL, DUNOÜY, and CARREL) 279
Duodenum:
Pancreatic juice diverted from, into stomach (GREY) 825

E

Edema:
Adrenalin pulmonary (AUER and GATES) 201
Embolism:
Pulmonary (MANN) 387
Epidemiology:
Lobar pneumonia (STILLMAN) 513
Poliomyelitis, acute, relation of mosquitoes and flies to (NOGUCHI and KUDO) 49
Epinephrin:
Rate of liberation from adrenals, effect of stimulation of sensory nerves on (STEWART and ROGOFF) 637
Spontaneous liberation from adrenals, relation of spinal cord to (STEWART and ROGOFF) 613
Ether:
Vapor, valve to regulate delivery of air and (GATES) 41
Etiology:
Rat-bite fever (KANEKO and OKUDA) 363
Excretion:
Acid, in pneumonia (PALMER) 495
Exudate:
Infected, neutralization of antipneumococcus immune bodies by (COLE) 453

F

Feeding:
Serum and lymph ferments after (DAVIS and PETERSEN) 693
Ferment:
Lymph, after feeding (DAVIS and PETERSEN) 693
—, during protein shock reactions (DAVIS and PETERSEN) 699

Ferment—*continued:*
Serum, after feeding (DAVIS and PETERSEN) 693
—, during protein shock reactions (DAVIS and PETERSEN) 699
Fever:
Rat-bite. *See* Rat-bite fever.
Florens:
Micrococcus (DAVISON, DAVISON, and MILLER) 779
Fluorescence:
Bactericidal, excited by x-rays (NEWCOMER) 657
Fly:
Acute poliomyelitis epidemiology, relation to (NOGUCHI and KUDO) 49
Follicle:
Ovarian, growth under normal and pathological conditions (WALSH) 245
Friedländer's bacillus:
Biological identity (COULTER) 763

G

Gastric:
See Stomach.
Glomerulonephritis:
(FABER) 139, 153, 707
Acute, produced with diphtheria toxin and *Bacillus coli* (FABER) 153
Bacteria injections, glomerulonephritis produced by (FABER and MURRAY) 707
Growth:
Ovarian follicle, under normal and pathological conditions (WALSH) 245
Pneumococcus, specific soluble substance elaborated during (DOCHEZ and AVERY) 477

H

Heart:
Sugar metabolism, surviving heart and pancreas in (CLARK) 721
Hemolysin:
Vegetable (KRITCHEVSKY) 669
Hemolytic:
Jaundice, in relation to spleen (GOTO) 795
Hog-cholera:
See Cholera.

I

Icterohæmorrhagiæ:
Spirochæta, distribution in human body (KANEKO and OKUDA) 325
—, rat as carrier of (IDO, HOKI, ITO, and WANI) 341
Immune body:
See Body.
Immune serum:
See Serum.
Immunity:
Antiblastic (BLAKE) 563
Hog-cholera bacillus (TEN BROECK) 441
Rat-bite fever, circulating immunity principles (IDO, ITO, WANI, and OKUDA) 377
In vitro:
Bacillus welchii toxin production (BULL and PRITCHETT) 867
Infant:
Meningitis caused by *Micrococcus florens* (DAVISON, DAVISON, and MILLER) 779
Infection:
Bacterial anaphylaxis and (ZINSSER and PARKER) 411
Exudates, infected, neutralization of antipneumococcus immune bodies by (COLE) 453
Poliomyelitis, development following carriage of virus (TAYLOR and AMOSS) 745

Inoculation:
Bacillus welchii, protective inoculation against (BULL and PRITCHETT) 119
Intestinal:
Secretion, toxicity (DAVIS and STONE) 687
Isolation:
Tubercle bacillus, from sputum by Petroff's cultural method (STEWART) 755

J

Jaundice:
Hemolytic, in relation to spleen (GOTO) 795

K

Kidney:
Nephropathic, efficiency of diuretics in (MACNIDER) 19
Reaction to diphtheria toxin (FABER) 139

L

Lymph:
Ferments after feeding (DAVIS and PETERSEN) 693
— during protein shock reactions (DAVIS and PETERSEN) 699
Lymphocytes:
Experimental studies upon (PAPPENHEIMER) 163
Immune sera, action of, upon (PAPPENHEIMER) 163

M

Mathematical:
Cicatrization, new mathematical expression of (DE BEAUJEU) 81
Meningitis:
Micrococcus florens causing meningitis (DAVISON, DAVISON, and MILLER) 779
Metabolism:
Sugar, surviving heart and pancreas in (CLARK) 721
Metamorphosis:
Blood platelets, viscous metamorphosis of (WRIGHT and MINOT) 395
Method:
Anaerobic (SMILLIE) 59
Petroff's cultural, for isolation of tubercle bacilli from sputum applied to milk (STEWART) 755
Pneumococcus type determination (BLAKE) 67
Micrococcus:
florens (DAVISON, DAVISON, and MILLER) 779
Milk:
Petroff's cultural method for isolation of tubercle bacilli applied to (STEWART) 755
Mosquito:
Acute poliomyelitis epidemiology, relation to (NOGUCHI and KUDO) 49

N

Nephritis:
Urea retention in (MCLEAN) 181
Nerve:
Sensory, effect of stimulation of, on rate of liberation of epinephrin from adrenals (STEWART and ROGOFF) 637
Neutralization:
Antipneumococcus immune bodies, by infected exudates and sera (COLE) 453
Nitrate:
Uranium. *See* Uranium nitrate.

O

Obermeieri:
Spirochæta, cultivation (PLOTZ) 37

Organism:
Micrococcus florens (DAVISON, DAVISON, and MILLER) 779

Osmosis:
Healing of wound, influence of osmotic tension of dressing on (CARREL, DUNOÜY, and CARREL) 279

Ovary:
Follicle, growth under normal and pathological conditions (WALSH) 245

P

Pancreas:
Pancreatic juice diverted into stomach, effect upon (GREY) 825
Sugar metabolism, surviving heart and pancreas in (CLARK) 721

Pancreatic juice:
Diversion from duodenum into stomach (GREY) 825

Paragonimus:
westermanni, pulmonary distomiasis caused by (NAKAGAWA) 297

Passage:
Hog-cholera bacillus virulence increased by (TENBROECK) 437

Paste:
Chloramine-T, wound sterilization by (DAUFRESNE) 91
—, — — — (CARREL and HARTMANN) 95

Pathology:
Ovarian follicle growth under normal and pathological conditions (WALSH) 245
Rat-bite fever (KANEKO and OKUDA) 363

Petroff:
Method for isolation of tubercle bacilli from sputum applied to milk (STEWART) 755

Pigment:
Bile, influence of splenectomy and blood disintegration on (GOTO) 795

Platelet:
Blood, viscous metamorphosis (WRIGHT and MINOT) 395

Plethora:
Effect on blood production (ROBERTSON) 221

Pneumococcus:
Specific soluble substance elaborated during growth (DOCHEZ and AVERY) 477
Types, method for determination (BLAKE) 67

Pneumonia:
Acidosis and acid excretion (PALMER) 495
Lobar (KLINE) 239
—, epidemiology (STILLMAN) 513

Poliomyelitis:
Acute, relation of mosquitoes and flies to epidemiology of (NOGUCHI and KUDO) 49
Infection following carriage of virus (TAYLOR and AMOSS) 745
Virus, carriage (TAYLOR and AMOSS) 745

Prophylaxis:
Antitoxin for *Bacillus welchii*, prophylactic properties of (BULL) 603

Protection:
Bacillus welchii, protective inoculation against (BULL and PRITCHETT) 119

Protection—*continued:*
Sodium carbonate, in nephropathic kidney (MacNider) 19
Protein:
Shock reactions, lymph and serum ferments during (Davis and Petersen) 699
Pulmonary:
Distomiasis (Nakagawa) 297
Edema, adrenalin (Auer and Gates) 201
Embolism (Mann) 387

R

Rat:
Spirochæta icterohæmorrhagiæ, rat as carrier of (Ido, Hoki, Ito, and Wani) 341
Rat-bite fever:
Etiology and pathology (Kaneko and Okuda) 363
Immunity (Ido, Ito, Wani, and Okuda) 377
Reaction:
Protein shock, lymph and serum ferments during (Davis and Petersen) 699
Regeneration:
Blood, in relation to spleen (Goto) 795
Reproduction:
Tissues, effect of alcohol on (Arlitt and Wells) 769
Retention:
Urea, in nephritis (McLean) 181
Roentgen ray:
Bactericidal fluorescence excited by (Newcomer) 657

S

Secretion:
Intestinal, toxicity (Davis and Stone) 687
Serum:
Ferments after feeding (Davis and Petersen) 693
— during protein shock reactions (Davis and Petersen) 699
Immune, action on lymphocytes and small thymus cells (Pappenheimer) 163
Neutralization of antipneumococcus immune bodies (Cole) 453
Pneumococcic, production (Cole and Moore) 537
Sheep:
Staggers, in Patagonia (Jones and Arnold) 805
Shock:
Protein, reactions, lymph and serum ferments during (Davis and Petersen) 699
Sodium:
Carbonate protection in nephropathic kidney (MacNider) 19
Specificity:
Soluble substance, specific, elaboration by pneumococcus during growth (Dochez and Avery) 477
Spinal cord:
Relation to spontaneous liberation of epinephrin from adrenals (Stewart and Rogoff) 613
Spirochæta:
icterohæmorrhagiæ, distribution in human body (Kaneko and Okuda) 325
—, rat as carrier of (Ido, Hoki, Ito, and Wani) 341
obermeieri cultivation (Plotz) 37
Spirochætosis icterohæmorrhagica:
See Disease, Weil's.

Spleen:
Blood destruction and regeneration in relation to (GOTO) 795
—, diversion into general circulation (BURKET) 849
Hemolytic jaundice in relation to (GOTO) 795
Splenectomy:
Bile pigment, influence on (GOTO) 795
Sputum:
Tubercle bacilli isolated from, by Petroff's cultural method (STEWART) 755
Staggers:
Sheep in Patagonia with (JONES and ARNOLD) 805
Sterilization:
Wound, by chloramine-T paste (DAUFRESNE) 91
—, — — — (CARREL and HARTMANN) 95
Stimulation:
Sensory nerve, effect on rate of liberation of epinephrin from adrenals (STEWART and ROGOFF) 637
Stomach:
Acidity, effect of diversion of pancreatic juice into stomach upon (GREY) 825
Pancreatic juice diverted from duodenum into (GREY) 825
Substance:
Specific soluble, elaboration by pneumococcus during growth (DOCHEZ and AVERY) 477
Sugar:
Metabolism, surviving heart and pancreas in (CLARK) 721

T

Tension:
Osmotic, of dressing, influence on healing of wound (CARREL, DUNOÜY, and CARREL) 279
Therapeutic:
Properties of antitoxin for *Bacillus welchii* (BULL) 603
Thymus:
Cells, action of immune sera on (PAPPENHEIMER) 163
Tissue:
Reproductive, effect of alcohol on (ARLITT and WELLS) 769
Toxicity:
Intestinal secretion (DAVIS and STONE) 687
Uranium nitrate, in relation to age (MACNIDER) 1
Toxin:
Bacillus welchii (BULL and PRITCHETT) 119
— —, identity of toxins of different strains (BULL and PRITCHETT) 867
— —, production *in vitro* (BULL and PRITCHETT) 867
Diphtheria, and *Bacillus coli*, glomerulonephritis produced with (FABER) 153
—, reaction of kidney to (FABER) 139
Tubercle bacillus:
Isolation from sputum and milk by Petroff's cultural method (STEWART) 755
Tuberculosis:
Apical, of adults (OPIE) 263
Bacillus. *See* Tubercle bacillus.
Focal, of children (OPIE) 263

Type:
Pneumococcus, method for determination (BLAKE) 67

U

Ultra-violet light:
Abiotic action (NEWCOMER) 841
Uranium:
Nitrate toxicity in relation to age (MACNIDER) 1
Urea:
Retention in nephritis (MCLEAN) 181

V

Valve:
Air and ether vapor delivery, regulation of, by (GATES) 41
Vapor:
Ether, valve to regulate delivery of air and (GATES) 41
Vegetable:
Hemolysins (KRITCHEVSKY) 669
Virulence:
Hog-cholera bacillus (TENBROECK) 437
Virus:
Poliomyelitis, carriage (TAYLOR and AMOSS) 745

W

Weil's disease:
See Disease.
Welchii:
Bacillus, antitoxin for (BULL) 603
Welchii:
Bacillus, antitoxin for (BULL and PRITCHETT) 119
—, identity of toxins of different strains (BULL and PRITCHETT) 867
—, protective inoculation against (BULL and PRITCHETT) 119
—, toxin (BULL and PRITCHETT) 119
—, — production *in vitro* (BULL and PRITCHETT) 867
Westermanni:
Paragonimus, pulmonary distomiasis caused by (NAKAGAWA) 297
Wound:
Asepsis, bacteriological (VINCENT) 83
Cicatrization (DE BEAUJEU) 81
— (VINCENT) 83
— (DAUFRESNE) 91
— (CARREL and HARTMANN) 95
— (CARREL, DU NOÜY and CARREL) 279
Osmotic tension of dressing, influence on healing of (CARREL, DUNOÜY, and CARREL) 279
Sterilization by chloramine-T paste (DAUFRESNE) 91
— — — — (CARREL and HARTMANN) 95

X

X-ray:
See Roentgen ray.